

ASCLEPIADACEAE.

ASCLEPIAS.

A. amplexicaulis Sm. Dry sandy soil; well distributed from Dunstable to Duxbury, but seldom abundant.

A. incarnata L., var. **pulchra** (Ehrh.) Pers. Low grounds and margins of ponds, common.

A. phytolaccoides Pursh. Open woods and dry places; well distributed but not abundant.

A. purpurascens L. Dry open ground; apparently frequent from Braintree and the Blue Hills northward.

A. quadrifolia Jacq. Dry open woods; frequent from Hingham and the Blue Hills northward.

A. syriaca L. Dry fields and roadsides, common throughout.

A. syriaca L., forma **inermis** Churchill. Prospect Hill, Waltham (*W. Deane*, Aug. 13, 1910); Dedham (*S. Harris*, Sept. 27, 1896). See RHODORA xx. 206-7, 1918.

A. tuberosa L. Dry sandy soil, rare; Haverhill, Danvers, Beverly, Westford, Bedford, Medfield; Hingham, according to Bouvé, Botany of Hingham, in History of Hingham, I, Part 1, 1893.

A. verticillata L. Dry rocky soil and exposed ledges, rare, at 14 stations, all within 15 miles of Boston.

CYNANCHUM.

C. NIGRUM (L.) Pers. Escaped from cultivation at Newburyport, Medford, Cambridge, Watertown and Brighton.

C. H. KNOWLTON	} Committee on
WALTER DEANE	

A PRELIMINARY REPORT ON THE DESMIDS OF CONNECTICUT.

C. J. HYLANDER.

(Continued from page 224.)

STAURASTRUM Meyen

****S. ACICULIFERUM** (Borge) West. Hamden (*Carter*).

S. ARCTISCON (Ehrenb.) Lund, Nova Acta Reg. Soc. Sci. Upsala

III. 8: 70. *pl.* 4, *f.* 8. 1871. Bethlehem, Bridgeport (*Johnson*, see 7, p. 319), Middletown (*Conn*, see 2, p. 62), Morris.

†S. ASPINOSUM Wolle, *Desm. U. S.* 143. *pl.* 51, *f.* 22, 23. 1884. Bridgeport (*Johnson*, 5, p. 288).

*S. AVICULA Bréb. in Ralfs, *Brit. Desm.* 140. *pl.* 23, *f.* 11. 1848. Litchfield (a), Morris, Suffield, Washington, West Haven (b).

†S. BICORONATUM Johnson, *Bull. Torrey Club* 21: 290. *pl.* 211, *f.* 9. 1894. Bridgeport (*Johnson*, 5, p. 290).

*S. BIENNIANUM var. ELLIPTICUM Wille, *Öfvers. K. Vet.-Akad. Förh.* 5: 50. *pl.* 13, *f.* 49. 1879. Guilford, Killingworth, West Haven (a).

*S. BREBISSEI Arch. in Pritchard, *Infus.* 739. 1861. Litchfield (a), Plymouth, Suffield, Washington, West Haven (b).

S. BREVISPINUM Bréb. Middletown (*Conn*, see 2, p. 62).

†*S. CONCINNUM West & G. S. West, *Jour. Linn. Soc. Bot.* 33: 317. *pl.* 18, *f.* 17. 1897. Middlebury, Southington.

†S. CORONULATUM Wolle, *Desm. U. S.* 135. *pl.* 44, *f.* 11, 12. 1884. Middletown (*Conn*, see 2, p. 62).

S. CRENULATUM Näg. *Gatt. einz. Alg.* 129. *pl.* 8 *Ba.* 1849. Guilford, Madison, Middletown (*Conn*, see 2, p. 62), Monroe (a), New Haven (b), Suffield, Washington.

S. CUSPIDATUM Bréb. in Meneghini, *Linnaea* 14: 226. 1840. Bridgeport (*Johnson*, 5, p. 288), Litchfield (a), Middlebury, Morris, North Branford (b), Orange, Plymouth, Suffield, Thomaston, Watertown, Washington, West Haven (b).

*S. CYRTOCERUM Bréb. in Ralfs, *Brit. Desm.* 139. *pl.* 22, *f.* 10. 1848. Hamden (b), West Haven (b).

S. DEJECTUM Bréb. in Meneghini, *Linnaea* 14: 227. 1840. Middlebury, Middletown (*Conn*, see 2, p. 62), Orange, Suffield, Washington.

†S. DEJECTUM var. CONVERGENS Wolle, *Desm. U. S.* 121. *pl.* 40, *f.* 7, 9, 10, 11. 1884. Middletown (*Conn*, see 2, p. 62).

*S. DICKIEI Ralfs, *Brit. Desm.* 123. *pl.* 21, *f.* 3. 1848. Suffield, Washington.

*S. DILATATUM Ehrenb. *Infus.* 143. *pl.* 10, *f.* 13. 1838. Bethlehem, Monroe (a), Morris, Orange.

†S. ELEGANTISSIMUM Johnson, *Bull. Torrey Club* 21: 290. *pl.* 211, *f.* 16. 1894. Bridgeport (*Johnson*, 5, 290).

S. ERASUM Bréb. *Mém. Soc. Imp. Sci. Nat. Cherbourg* 4: 143. *pl.* 1, *f.* 28. 1856. Middletown (*Conn*, see 2, 62).

S. EUSTEPHANUM (Ehrenb.) Ralfs, Brit. Desm. 215. 1848. Middletown (*Conn*, see 2, p. 62), Washington, West Haven (*b*).

S. FURCIGERUM Bréb. in Meneghini, Linnaea 14: 226. 1840. Middletown (*Conn*, see 2, p. 62), Morris.

S. GRACILE Ralfs, Ann. Mag. Nat. Hist. 15: 155. *pl. 11, f. 3*. 1845. Middlebury, Middletown (*Conn*, see 2, p. 62), Morris, Monroe (*a*), New Haven (*b*), Suffield, Thomaston, Washington.

S. GRANDE Bulph. Bridgeport (*Johnson*, 6, p. 294), Bethlehem.

**S. GRANDE* var. *PARVUM* West & G. S. West. Bethlehem, Plymouth.

**S. GRANULOSUM* (Ehrenb.) Ralfs. Guilford, Litchfield (*a*).

†*S. HEXACERUM* var. *AVERSUM* West & G. S. West, Jour. Linn. Soc. Bot. 33: 313. *pl. 18, f. 13*. 1897. Bridgeport (*Johnson*, see 7, p. 313).

S. HIRSUTUM (Ehrenb.) Bréb. in Ralfs, Brit. Desm. 127. *pl. 22, f. 3*. 1848. Hamden (*b*), Middletown (*Conn*, see 2, p. 62), Monroe (*a*).

†*S. INCISUM* Wolle, Desm. U. S. 132. *pl. 41, f. 12-14*. 1884. Bridgeport (*Johnson*, 5, p. 288), Morris.

***S. INFLEXUM* Bréb. Mém. Soc. Imp. Sci. Nat. Cherbourg 4: 140. *pl. 1, f. 25*. 1856. Killingworth (*b*).

†*S. IOTANUM* Wolle, Desm. U. S. 137. *pl. 51, f. 5-7*. 1884. Bridgeport (*Johnson*, see 7, p. 315), Middletown (*Conn*, see 2, p. 62).

S. IRREGULARE West, Jour. Roy. Micr. Soc. 1894: 12. *pl. 2, f. 49, 50*. Bridgeport (*Johnson*, 5, p. 288).

S. LEPTOCLADUM Nordst. Vidensk. Medd. Fören. Kjöbenhavn 1869: 228. *pl. 4, f. 57*. 1870. Middlebury, Middletown (*Conn*, see 2, p. 62), Suffield, Thomaston.

S. LEPTOCLADUM var. *CORNUTUM* Wille, Bih. K.-Vet. Akad. Handl. 18⁸: 19. *pl. 1, f. 39*. 1884. Bridgeport (*Johnson*, 5, p. 289).

S. MARGARITACEUM (Ehrenb.) Menegh. Linnaea 14: 227. 1840. Bethany, Guilford, Hamden (*b*, also *Carter & Evans*), Killingworth, Litchfield (*a*), Madison, Middlebury, Middletown (*Conn*, see 2, p. 62), New Haven (*b*), Southington, Suffield, Thomaston, Watertown, Washington.

S. MEGACANTHUM Lund. Nova Acta Reg. Soc. Sci. Upsala III. 8: 61. *pl. 4, f. 1*. 1871. Bridgeport (*Johnson*, 5, p. 288), Middletown (*Conn*, see 2, p. 62).

**S. MERIANI* Reinsch, Act. Senckenb. 6: 125. *pl. 33, DI*. 1867. Hamden (*Carter & Evans*), West Haven (*a*).

S. MONTICULOSUM* Bréb. in Meneghini, *Linnaea* **14: 226. 1840. Monroe (*a*), Suffield.

S. MURICATUM Bréb. in Meneghini, *Linnaea* **14**: 226. 1840. Hamden (*b*), Middletown (*Conn*, see **2**, p. 62).

S. MUTICUM* Bréb. in Meneghini, *Linnaea* **14: 226. 1840. Middlebury, Orange, Suffield, West Haven (*a*, *b*).

†*S. ODONTATUM* Wolle, Bull. Torrey Club **8**: 2. *pl.* 6, *f.* 11. 1881. Middletown (*Conn*, see **2**, p. 62).

S. OPHIURA Lund. Nova. Acta Reg. Soc. Sci. Upsala III. **8**: 69. *pl.* 467. 1871. Bethlehem, Bridgeport (*Johnson*, **5**, p. 289), Hamden (*a*).

**S. ORBICULARE* var. *RALFSII* West & G. S. West. Middletown, Morris, West Haven (*b*).

S. PARADOXUM* Meyen, Nova Acta Acad. Caes. Leop. Carol. **5: 14. *pl.* 43, *f.* 37, 38. 1828. Plymouth.

**S. POLYMORPHUM* Bréb. in Ralfs, Brit. Desm. 135. *pl.* 22, *f.* 9, *pl.* 34, *f.* 6. 1848. Orange.

***S. POLYTRICHUM* Perty, Kleinst. Lebens. 210. *pl.* 16, *f.* 24. 1852. Bethany, Hamden (*a*).

***S. PROBOSCIDEUM* Arch. in Pritchard, Infus. 742. 1861. Orange.

**S. PUNCTULATUM* Bréb. Branford, Hamden (*a*), Killingworth, Newtown, New Haven (*b*), North Haven, Plymouth.

S. PYGMAEUM Bréb. in Ralfs, Brit. Desm. 213. *pl.* 35, *f.* 26. 1848. Middletown (*Conn*, see **2**, p. 62).

†*S. RAVENELII* Wood, Smithson. Contr. Knowl. **241**: 153. *pl.* 21, *f.* 22. 1872. Middletown (*Conn*, see **2**, p. 62).

S. SEBALDI* Reinsch, Act. Senckenb. **6: 133. *pl.* 24, *DI*, *f.* 1–3. 1867. Guilford, West Haven (*b*).

S. SETIGERUM* Cleve, Öfvers. K. Vet.-Akad. Förh. **20: 490. *pl.* 4, *f.* 4. 1863. Bethlehem, Middlebury, Suffield.

**S. SPONGIOSUM* Bréb. in Ralfs, Brit. Desm. 141. *pl.* 23, *f.* 4. 1848. Guilford, Monroe (*a*), Suffield.

S. TETRACERUM* (Kütz.) Ralfs, Ann. Mag. Nat. Hist. **15: 150. *pl.* 10, *f.* 1. 1845. Bethlehem, Middlebury, Morris, Thomaston, Washington.

**S. TUMIDUM* Bréb. Madison.

†*S. VESTITUM* var. *TORTUM* West & G. S. West, Jour. Linn. Soc. Bot. **33**: 317. *pl.* 18, *f.* 16. 1897. Bridgeport (*Johnson*, see **7**: p. 317).

COSMOCLADIUM Bréb.

*C. SAXONICUM DeBary, Flora **48**: 321. *pl.* 1, *f.* 1-3. 1865. Branford (*Carter*).

SPHAEROZOSMA Corda

S. PULCHRUM Bailey in Ralfs, Brit. Desm. 209. *pl.* 35, *f.* 2. 1848. Middlebury, Middletown (*Conn*, see **2**, p. 65).

S. SPINULOSUM Delp. Mem. R. Accad. Sci. Torino II. **28**: 78. 1876. Middletown (*Conn*, see **2**, p. 65), Suffield.

ONYCHONEMA Wallich

O. FILIFORME (Ehrenb.) Roy & Bissett. Bridgeport (*Johnson*, **5**, p. 286), Middlebury, Middletown (*Conn*, see **2**, p. 64, as *Sphaerzosma*), Morris, Thomaston.

O. LAEVE Nordst. Vidensk. Medd. Förén. Kjöbenhavn **1869**: 209. *pl.* 3, *f.* 34. 1870. Bethlehem, Bridgeport (*Johnson*, **5**, p. 286), Middlebury, Middletown (*Conn*, see **2**, p. 65), Morris, Washington.

SPONDYLIUM Bréb.

S. PAPILLOSUM West & G. S. West, Trans. Linn. Soc. Bot. II. **5**: 41. *pl.* 9, *f.* 19. 1895. Bethlehem, Middletown (*Conn*, see **2**, p. 65), Morris, Orange, Plymouth.

*S. PLANUM (Wolle) West & G. S. West, Per. Plank. 430. *pl.* 19, *f.* 5-8. 1912. Killingworth, Thomaston, Washington, Watertown.

S. PYGMAEUM (Cooke) West, Jour. Linn. Soc. Bot. **29: 116. 1892. Thomaston.

HYALOTHECA Ehrenb.

H. DISSILIENS (Smith) Bréb. in Ralfs, Brit. Desm. 51. *pl.* 1, *f.* 1. 1848. Bethlehem, Hamden (*b*), Guilford, Hamden (*Carter & Evans*), Litchfield (*a*), Madison, Middlebury, Middletown (*Conn*, see **2**, p. 65), New Haven (*b*), North Branford (*a*), Plymouth, Washington.

H. UNDULATA Nordst. Bridgeport (*Johnson*, **5**, p. 286).

DESMIDIUM Ag.

*D. APTOGONUM Bréb. Mém. Soc. Acad. Falaise **1835**: 268. 1835. Hamden (*b*), Middlebury, Washington.

*†D. BAILEYI (Ralfs) Wolle, Desm. U. S. 27. *pl.* 2, *f.* 8-12. 1884. Bethlehem, Plymouth, Suffield.

D. CYLINDRICUM Grev. Scottish Cryptog. Flor. 6: 38. *pl.* 293. 1827. Bridgeport (*Holden*, see 1, No. 1262), New Haven (*a*) Newtown, Middletown (*Conn*, see 2, p. 65).

D. SWARTZII Ag. Syst. Alg. 9. 1824. Bethlehem, Madison, Middletown (*Conn*, see 2, p. 65), Morris, New Haven (*a*), Plymouth.

GYMNOZYGA Ehrenb.

G. MONILIFORMIS Ehrenb. Berlin Monatsz. 212. 1840. Bethlehem, Killingworth, Middlebury, Middletown (*Conn*, see 2, p. 65), Monroe (*a*), Newtown.

This list includes 266 species and varieties, of which 125 are new to Connecticut and 22 new to North America.

IV. LITERATURE CITED.

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2. **Conn, H. W., & Webster, L. W.** A preliminary report on the algae of the fresh waters of Connecticut. *Conn. Geol. & Nat. Hist. Surv. Bull.* 10. Hartford, 1908.
3. **Cushman, J. A.** New England desmids of the sub-family Saccodermæ. *Bull. Torrey Club* 33: 343–351. 1906.
4. ——— The New England species of *Closterium*. *Bull. Torrey Club* 35: 109–133. 1908.
5. **Johnson, L. N.** Some new and rare desmids of the United States,—I. *Bull. Torrey Club* 21: 285–291. *pl.* 211. 1894.
6. ——— Some new and rare desmids of the United States,—II. *Bull. Torrey Club* 22: 289–298. *pl.* 239, 240. 1895.
7. **West, W. & G. S.** On some desmids of the United States. *Jour. Linn. Soc. Bot.* 33: 279–322. *pl.* 16–18. 1898.
8. **Wolle, F.** Desmids of the United States and list of American pediastrums. Bethlehem, Pennsylvania, 1884.

ANOTHER PLANT FROM NANTUCKET.—As long ago as 1911, while in Nantucket, I found a grass by the sidewalk which I supposed to be *Digitaria filiformis*. Although never quite satisfied with that determination I failed, through some oversight, to send a specimen of this plant when forwarding many others to Mr. Bicknell while he was